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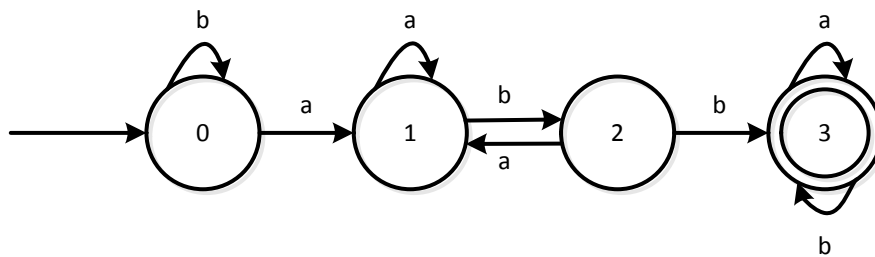
1. F 2. T

二、

1. A 2. A 3. B

三

1.



2.

(a) $declaration \rightarrow type\ var-list$

$type \rightarrow int \mid float$

$var-list \rightarrow identifier\ ID$

$ID \rightarrow ,\ var-list \mid \epsilon$

(b)

$FIRST(declaration) = \{ int, float \}$

$FOLLOW(declaration) = \{ \$ \}$

$FIRST(type) = \{ int, float \}$

$FOLLOW(type) = \{ identifier \}$

$FIRST(var-list) = \{ identifier \}$

$FOLLOW(var-list) = \{ \$ \}$

$FIRST(ID) = \{ , , \epsilon \}$

$FOLLOW(ID) = \{ \$ \}$

(c)

	int	float	,	identifier	\$
<i>declaration</i>	<i>declaration</i> \rightarrow <i>type</i> <i>var-list</i>	<i>declaration</i> \rightarrow <i>type var-list</i>			
<i>type</i>	<i>type</i> \rightarrow int	<i>type</i> \rightarrow float			
<i>var-list</i>				<i>var-list</i> \rightarrow identifier <i>ID</i>	
<i>ID</i>			<i>ID</i> \rightarrow , var-list		<i>ID</i> \rightarrow ϵ

(d)

Parsing	Input	Action
$\$declaration$	int x, y, z $\$$	<i>declaration</i> \rightarrow <i>type var-list</i>
$\$var-list type$	int x, y, z $\$$	<i>type</i> \rightarrow int
$\$var-list int$	int x, y, z $\$$	match
$\$var-list$	x, y, z $\$$	<i>var-list</i> \rightarrow identifier <i>ID</i>
$\$ID identifier$	x, y, z $\$$	match
$\$ID$, y, z $\$$	<i>ID</i> \rightarrow , var-list
$\$var-list ,$, y, z $\$$	match
$\$var-list$	y, z $\$$	<i>var-list</i> \rightarrow identifier <i>ID</i>
$\$ID identifier$	y, z $\$$	match
$\$ID$, z $\$$	<i>ID</i> \rightarrow , var-list
$\$var-list ,$, z $\$$	match
$\$var-list$	z $\$$	<i>var-list</i> \rightarrow identifier <i>ID</i>
$\$ID identifier$	z $\$$	match
$\$ID$	$\$$	<i>ID</i> \rightarrow ϵ
$\$$	$\$$	accept